


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23699		Serial No. 10/646,771	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2872	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE							
(Signature)	2004 / 0	0 4 2 0 9 5	03/04/04	NOMURA									
	2004 / 0	0 4 2 0 9 3	03/04/04	NOMURA									
	2004 / 0	0 6 2 5 3 6	04/01/04	NOMURA									
	2004 / 0	0 5 1 9 6 8	03/18/04	NOMURA									
	2004 / 0	0 5 1 9 7 0	03/18/04	NOMURA									
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	6	3 6 6 3 2 3	04/02/02	SHONO									
	6	1 1 5 1 9 0	09/05/00	HIRAI									
	6	0 6 4 5 3 3	05/16/00	KENIN et al.									
	2003 / 0	0 8 1 3 2 5	05/01/03	NOMURA et al.									
	2001 / 0	0 2 4 5 7 3	09/27/01	NOMURA et al.									
	2002 / 0	1 3 5 9 0 0	09/26/02	NOMURA et al.									
	6	0 7 5 6 5 5	06/13/00	FUNAHASHI									

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FOREIGN PATENT DOCUMENTS															
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		58	-	1	0	7	0	8	01/21/83	JAPAN					
		2	3	4	4	6	6	1	06/14/00	UNITED KINGDOM					
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	2003	-	2	0	7	7	0	9	07/25/03	JAPAN					
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	10	-	2	8	2	3	9	4	10/23/98	JAPAN					
	58	-	1	6	2	9	1	4	09/27/83	JAPAN					
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	7	-	2	8	8	7	2	4	10/31/95	JAPAN			X		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
		1	English Language Abstract of JP 58-10708.												
		2	English Language Abstract of JP 2003-207709.												
		3	English Language Abstract of JP 2002-277719.												
		4	English Language Abstract of JP 10-282394.												
		5	English Language Abstract of JP 58-162914.												
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
(Signature)	4 5 2 5 0 5 0	06/25/85	OHASHI						
	4 6 4 3 5 5 5	02/17/87	WAKABAYASHI						
	4 7 2 1 9 7 2	01/26/88	WAKABAYASHI						
	4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.						
	5 8 1 8 6 4 7	10/06/98	NISHIO et al.						
	6 0 3 1 9 9 8	02/29/00	SHONO						
	4 4 5 1 1 2 9	05/29/84	IKARI et al.						
	4 6 4 3 5 5 4	02/17/87	OGAWA						
	4 7 7 1 3 0 3	09/13/88	MATSUMOYO et al.						
	4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.						
	5 1 3 6 3 2 4	08/04/92	TSUBOI et al.						
	5 7 6 5 0 4 9	06/09/98	HASE et al.						
	5 8 3 2 3 2 6	11/03/98	TANAKA						
6 3 6 6 3 2 3	04/02/02	SHONO et al.							
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO			
(Signature)	5 8 1 4 5 9 3 0	08/31/83	JAPAN						
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	7 - 1 9 1 2 4 9	07/28/95	JAPAN						
1 1 1 0 9 2 0 3	04/23/99	JAPAN							
JAPAN OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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